CompTIA Cloud Essentials

Course Summary

Description

You will weigh the pros and cons of cloud computing to make effective decisions and meet IT challenges.

Objectives

By the end of this course, students will be able to:
- Learn the fundamental concepts of cloud computing.
- Learn the business aspects and impact of cloud computing.
- Differentiate the types of cloud solutions and the adoption measures needed for each.
- Identify the technical challenges and the mitigation measures involved in cloud computing.
- Identify the steps to successfully adopt cloud services.
- Identify the basic concepts of ITIL and describe how the ITIL framework is useful in the Implementation of cloud computing in an organization.
- Identify the possible risks involved in cloud computing and the risk mitigation measures, and you Will also identify the potential cost considerations for the implementation of cloud and its strategic benefits.

Topics

- Introduction to Cloud Computing
- Business Value of Cloud Computing
- Technical Perspectives of Cloud Computing
- Technical Challenges of Cloud Computing

- Steps to Successful Adoption of Cloud Services
- ITIL and Cloud Computing
- Identifying Risks and Consequences

Audience

The CompTIA Cloud Essential Specialty certification is relevant to IT specialists, IT technical services specialists, IT relationship managers, IT architects, consultants, business and IT management, business process owners, and analysts.

Prerequisites

This course is the first step on a training path that can lead to a technical career dealing with cloud computing. CompTIA recommends that a candidate have at least six months of experience in an IT environment, with direct involvement in IT-related tasks, responsibilities, and/or decision-making. It is also recommended that the candidate take the following course: Introduction to Network Design and Management.

Duration

Two days

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Course Outline

I. Introduction to Cloud Computing
A. Overview of Cloud Computing
B. Evolution of the Cloud
C. Specialized Cloud Services

II. Business Value of Cloud Computing
A. Business Need for Cloud Computing
B. Cloud Scalability
C. Cloud Security
D. Impact of Cloud Computing on Business

III. Technical Perspectives of Cloud Computing
A. The Cloud Deployment Models
B. Network Requirements for Cloud Deployment
C. Automation and Self-Service in Cloud Computing
D. Federated Cloud Services
E. Standardization

IV. Technical Challenges of Cloud Computing
A. Cloud Storage
B. Application Performance
C. Data Integration
D. Security Risks and Mitigation
E. Application Architecture and the Development Process

V. Steps to Successful Adoption of Cloud Services
A. Steps to Adopting Cloud Services
B. Organizational Capability to Adopt Cloud Services
C. Cloud Vendor Roles and Capabilities
D. Migrating Applications to the Cloud

VI. ITIL and Cloud Computing
A. Overview of ITIL
B. Planning Service Strategy
C. Designing Cloud Service
D. Transitioning to Live Environment
E. Running a Cloud Service Operation
F. Continual Service Improvement with Cloud

VII. Identifying Risks and Consequences
A. Organizational Risks
B. Technical Risks
C. Legal Risks
D. Cost Evaluation for Cloud Computing
E. Identify Maintenance Aspects of Strategic Flexibility

VIII. Appendix A: Mapping Course Content to the CompTIA Cloud Essentials (Exam CLO- 001) Exam Objectives

IX. Appendix B: CompTIA Cloud Essentials (Exam CLO-001) Acronyms